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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/749,829	. 12/30/2003	Paul A. Hoisington	09991-148001	9375
26161 75	90 12/12/2006		EXAMINER	
FISH & RICHARDSON PC			DO, AN H	
P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022			ART UNIT	PAPER NUMBER
			2853	
		•	DATE MAILED: 12/12/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/749,829	HOISINGTON ET AL.
Office Action Summary	Examiner	Art Unit
	An H. Do	2853
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from to, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
1)⊠ Responsive to communication(s) filed on <u>05 C</u> 2a)⊠ This action is FINAL . 2b)□ This 3)□ Since this application is in condition for allowa closed in accordance with the practice under E	s action is non-final. nce except for formal matters, pro	
Disposition of Claims		
4)	wn from consideration. lowed.	
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the liderawing(s) be held in abeyance. See tion is required if the drawing(s) is object.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1 Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list	s have been received. Is have been received in Application rity documents have been received in Rule 17.2(a)).	on No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	

DETAILED ACTION

The Amendment filed on 05 October 2006 has been acknowledged.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 35, 38 and 44 are rejected under 35 U.S.C. 102(b) as being anticipated by Takata (US 6,193,356).

Takata discloses in Figures 1-3 the following claimed features:

Regarding claim 35, a drop ejection device (Figure 1), comprising: a flow path (33) in which fluid is pressurized to eject drops from a nozzle opening (formed in nozzle plate 34), a piezoelectric actuator (32) for pressurizing said fluid, and one or more waste fluid control apertures (suction portion 23) proximate (column 4, lines 55-56) the nozzle opening (formed in nozzle plate 34), the aperture (suction portion 23) being in communication with a vacuum source (suction pump 22, column 4, lines 56-65).

Regarding claim 38, wherein the control apertures (suction portion 23) are in communication with the flow path (33) in which fluid is pressurized (column 4, lines 57-60).

Regarding claim 44, wherein a first body (nozzle plate 34) defines the nozzle opening, a second body (suction portion 23) defines the one or more apertures, and the first body is joined to the second body (Figure 2, column 4, lines 55-65).

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Allowable Subject Matter

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3. Claims 1-12, 16-18, 20, 23-28 and 34 are allowed over prior arts as discussed in Applicant's Remarks filed on 05 October 2006.

4. Claims 36, 37 and 39-43 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

- Applicant's arguments, see pages 7 and 8, filed 05 October 2006, with respect to claims 1, 4, 8 and 10 have been fully considered and are persuasive. The rejections of claims 1, 4, 8 and 10 have been withdrawn. However, Applicant has added new claims 35-44 in which claims 35 and 38 contain the same limitations as of non-amended claims 1 and 4 which were rejected under 102(b) rejection in the previous Office Action.

 Therefore, Examiner maintains the rejection under 102(b) for claims 35 and 38. The newly added claim 44 contains new limitation and is also rejected under 102(b) rejection.
- 6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to An H. Do whose telephone number is 571-272-2143. The examiner can normally be reached on Monday-Friday (Flexible).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D. Meier can be reached on 571-272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AD

December 8, 2006

onen.

An H. Do

Primary Examiner

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